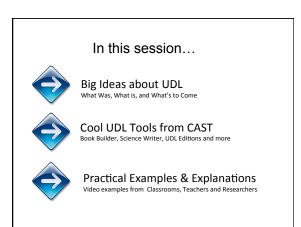
Universal Design for Learning: Big Ideas and Cool Tools for Student Achievement

Joy Smiley Zabala, Ed.D., ATP
Director of Technical Assistance
CAST and the National Center on Accessible Instructional Materials



Universal Design for Learning

What was...

A Transformative Tool



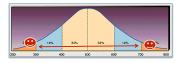
The Starting Point - 1985



CAST began by addressing the needs of students "in the margins", primarily with technology-based accommodations

From the Margins to the Whole

- From the context of creating responsive learning environments for students with disabilities
- To the focus on enhance learning opportunities for all students



A Pivotal Point

Accommodations created for a subset of the population typically provide benefits for everyone



Roots in Neuroscience



Recognition

Multiple representations of information



Strategic

Multiple options for expression



Affective

Multiple means of engagement

Roots in Architecture

A Universal Design approach is simply more practical, elegant and effective, since it is always better to build in flexibility from the beginning, rather than try to add it on later





UDL as a Technology Initiative

Universal Design for Learning (UDL) was viewed as a technology initiative based on the process of building in accessibility and achievement supports that address the diverse learning needs of all students

Three Principles

Universal Design for Learning calls for ...

- Multiple means of representation, to give learners various ways of acquiring information and knowledge
- **Multiple means of expression,** to provide learners alternatives for demonstrating what they know
- Multiple means of engagement, to tap into learners' interests, offer appropriate challenges, and increase motivation

Universal Design for Learning

What is...

A Pivotal Point



Evolution of Achievement

IDEA 1997

Progress in the general education curriculum

Inclusion of ALL students in the Accountability System

A Transformative Initiative

National Center on Accessing the General Curriculum (1999-2004)

CAST,, Boston College, Harvard Law School, Council for Exceptional Children (CEC) and the Parent Advocacy Coalition for Educational Rights (PACER)

UDL as a Curricular Initiative

Recognizes and attempts to eliminate the disabling features in Curricula:

- · WHO they can teach
- · WHAT they can teach
- · HOW they can teach
- · Preparing students for their future

Universal



Design





Learning



Models and Mentors
Graduated Scaffolding
Progress monitoring



Zabala, J. (2011). Universal Design for Learning: Big Ideas and Cool Tools for Student Achievement. . Presented at the 2011 Differentiated Instruction Institute. Lafayette, LA. FOR PERMISSION TO USE send email to jzabala@cast.org

Universal Design for Learning

"UDL seeks to decreasing unacceptable challenge while maintaining acceptable challenge" CAST believes that "barriers to learning are not, in fact, inherent in the capacities of learners, but instead arise in learners' interactions with inflexible educational goals, materials, methods, and assessments."

Teaching Every Student in the Digital Age, p. vi

Universal Design for Learning

- Scientifically valid framework for guiding educational practice
- ✓ Provides flexibility in the ways information is presented, the ways students respond or demonstrate knowledge and skills and the ways students are engaged

Universal Design for Learning

- ✓ Reduces barriers in instruction
- ✓ Provides appropriate accommodations, supports, and challenges
- Maintains high achievement expectations for all students

Four Curriculum Pillars



Goals



Firm Goals, Flexible Means

- · Clearly identified
- · Separate from means

Assessment

- · Progress Monitoring
- Authentic Assessment
- Accessibility
- · Construct validity



Methods



Models and Mentors

Graduated Scaffolding



Materials

Emphasis on Flexible, Transformable Digital Media



BUT... digital media does not equal UDL and digital does not necessarily equal accessible!

Connecting UDL and AT

- Assistive Technology looks at the specific barriers a student may face in whatever environment they find themselves
- Universal Design looks to make the learning environment as flexible and accommodating as possible
- Both approaches strive to insure the access, participation & progress of students with disabilities

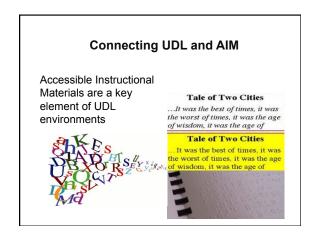
Response to Intervention

- Application of scientific, research-based interventions in general education
- Measurement of a child's response to these interventions
- · Use of the RTI data to inform instruction

Connecting UDL and RTI

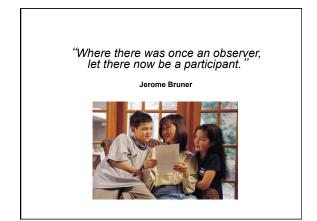
Response to Intervention can be seamless in UDL Environments

Shouldn't we really be talking about RESPONSIVE INTERVENTION rather than Response TO Intervention?



Universal Design for Learning

Supports what can be...



National Center on UDL

http://www.udlcenter.org/

...supports the effective implementation of UDL by connecting stakeholders in the field and providing resources and information about...

- What is UDL?
- · How can I demonstrate the value of UDL to others?
- · Who is implementing UDL and where?
- · What research supports the UDL Framework?
- How can I connect to others in the UDL field?

Three primary principles guide UDL—and provide structure for the Guidelines: I. Provide Multiple Means of Representation Perception Perception Language and symbols Comprehension Expressive skills and fluency Comprehension Executive function UDL—and provide Multiple Means of Engagement Engagement Expressive skills and fluency Sustaining effort and persistence Self-regulation

CAST Cool Tools



- Book Builder
- UDL Editions
- · Science Writer
- Strategy Tutor
- Lesson Builder UDL
- · Curriculum Self-Check

http://bookbuilder.cast.org/



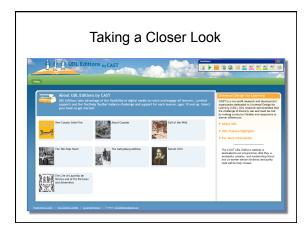
- Use Bookbuilder to create, share, publish, and read digital books that engage and support diverse learners according to their individual needs, interests, and skills
- Write text, choose images, add audio clips and glossary terms, and develop supports for coaches. Read completed books online, download them, print them, share them with others

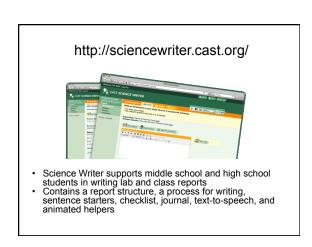


http://udleditions.cast.org

- A collaboration between CAST, Google, and Texthelp
- UDL Editions take advantage of the flexibility of digital media to reach and engage all learners.
 Leveled supports and the Texthelp Toolbar balance challenge and support for each learner, grades 5-12











http://udlselfcheck.cast.org/



 Helps educators build options and flexibility into each element of the curriculum (goals, methods, materials, and assessments) in order to reach and engage all students The Teaching Every Student (TES) section of the **CAST** Web site supports educators in learning about and practicing Universal Design for Learning (UDL).

http://www.cast.org/teachingeverystudent/

The UDL Elevator Speech

- Is a framework for ensuring access, participation and progress in the general education curriculum
- Assumes and plans for diverse student strengths and needs
- Places emphasis on using digital technology and other strategies and materials to support diverse learners
- · Includes assistive technology for some
- · Is not limited to high tech environments

Vaclay Havel



"It is not enough to stare up the steps...

We must step up the stairs"

Stepping Up the UDL Stairs!

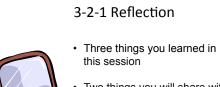
- · Know your SEA and LEA major initiatives
- · Identify barriers that slow progress
- Consider how UDL features can lower barriers and support achievement of those initiatives
- Demonstrate how UDL features increase efficiency and effectiveness
- ALWAYS equate ROI with student achievement!!

Stepping Up the UDL Stairs!

- · Visit the UDL Center Web Site
- Peruse the UDL Guidelines and dig deeply into them
- · View examples and try out ideas
- · Work through the UDL Online Modules
- Join in UDL conversations with others grappling with the same challenges and opportunities







- Two things you will share with
- · One thing you will apply immediately